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No. 23]

NEW DELHI, SATURDAY, JUNE 8, 1985 (JYAISTA 18, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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CORRIGENDUM

In the Gazette of India Part III Section 2 dated the 18th May 1985 under heading 'PATENTS SEALED' delete 153157

APPLICATION FOR PATENT FILED AT THE HFAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD,

CALCUTTA-17

1st May, 1985

332/Cal/85. National Aeronautics and Space Administration. Volumetric Fuel Quantity Gauge.

apparatus for supplying and distributing liquids in apparatus for supplying and distributing liquids in a laminar separation apparatus

334/Cal/85 Beloit Corporation Top Wire Former.

335/Cal/85 Degussa Aktiengesellschaft. 2-Amino-3-Ethoxy-carbonyl-amino-6-(P-Fluoro-Benzylamino)- Pyridine Gluconate Process for its production and Pharmaceutical Preparations Containing It.

336/Cal/85. Phillips Petroleum Company. Method and apparatus for heat exchanger.

337/Cal/85. Sulzer Brothers Limited Air Jet Weaving Machine. (18th May, 1984) 2nd May, 1985.

338/Cal/85. Nripendra Nath Bhattacharya. Pre-Fabricated R.C.C. Frames for door, window or for combination thereof, and a method of manufacturing such frames

3rd May, 1985

339/Cal/85. Brian Alan Bennett. Rotary Nibbler.

340/Cal/85 Knorr-Bremse GmbH Locking device for holding a brake lining insertable into a brake-lining carrier for disc-brakes, especially for rail vehicles.

341/Cal/85 Beloit Corporation. Cutting Edge Corrections.

342/Cal/85. Siemens Aktiengesellschaft. An Electrical Installation Comprising Individual Assemblies.

343/Cal/85. Indian Explosives Limited. Novel explosive composition and method for preparation thereof

344/Cal/85 Indian Explosives Limited. Improved Fertilizer Compositions

6th May, 1985

345/Cal/85. Bioresearch Spa. Stable sulpho-Adenosyl-L-Methionine (same) salts, particularly suitable for parenteral use.

346/Cal/85. Bioresearch Spa. Stable sulpho-Adenosyl-L-Methionine (same) salts, particularly suitable for oral pharmaceutical use

347/Cal/85 Medscan B.V. Blood Sampling Unit.

348/Cal/85. (1) MTA Termeszettudomanyi Kutato Laboratoriumai. (2) Alagi Allami Tangazdasag Method for improving the strength and impermeability of soils and Engineering Structures.

349/Cal/85. Kraftwerk Union Aktiengesellschaft. A cooled rotor for an Electrodynamic Machine.

350/Cal/85. Sulzer Brothers Limited. Air jet weaving machine and weft insertion nozzle arrangement in such air jet weaving machine. (21st May 1984).

351/Cal/85 University of Southampton. Insecticide Composition for controlling insects which have an aquatic breeding site. (10th April, 1985).

7th May, 1985

352/Cal/85. Niranjan Sen and Smt. Gouri Sen. Top Flange for spinning Bobbin (Jute).

353/Cal/85. Siemens Aktiengesellschaft. A box-like electronic printed circuit board module.

8th May, 1985

354/Cal/85. Asahi Kasei Kogyo Kabushiki Kaisha. Low-Temperature Draft-cutting process and apparatus for preparation of discontinuous filament bundles.

355/Cal/85 Siemens Aktiengesellschaft. A method for testing electrical machines, and an associated circuit arrangement.

356/Cal/85 Westinghouse Electric Corporation. A new technique for firing a light fired thyristor.

357/Cal/85 Development Finance Corporation of New Zealand. Improvements in or relating to energy absorbers.

358/Cal/85. Franz Plasser Bahnbaumaschinen-Industriegesellschaft M.B.H. Track wagon for interchange or laying or dismantling as well as for transporting.

ALTERATION OF DATE

156241. Ante dated to 6th August, 1980.
(1176/Cal/83)

156254. Ante dated to 26th September, 1980.
(1508/Cal/82)

156255. Ante dated to 26th September, 1980.
(1509/Cal/82)

156257. Ante dated to 5th January 1980.
(426/Cal/83)

156269. Ante dated to 7th March, 1980.
(644/Del/83)

156270. Ante dated to 7th March, 1980.
(645/Del/83)

156271. Ante dated to 7th March 1980.
(646/Del/83)

156273. Ante dated to 7th March 1980.
(648/Del/83)

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CLASS : 85-J 156239

Int. Cl. : F 27 b 1/24.

APPARATUS FOR COOLING METALLURGICAL FURNACE WALL.

Applicants : (1) VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT PO OCHISTKE TEKHNOLOGICHESKIH GAZOV, STOCHNYKH VOD I ISPOLZOVANIU VTORICHNYKH ENERGORRESURSOV PREDPRIYATY CHERNOI METALLURGI "VNIPICHERMETENERGOCHISTKA", OF KHARKOV, PROSPEKT LENINA, 9, USSR; (2) INSTITUT PROBLEM LITYA AKADMI NAUK UKRAINSKOI SSR. OF KIEV, PROSPEKT VERNADSKOGO, 34/1, USSR.

Inventors : 1. JURY PAVLOVICH VOLKOV, 2. LEV DMITRIEVICH GRITSUK, 3. ANATOLY STEPANOVICH GORBIK, 4. LEONID DAVIDOVICH FOLOD, 5. DORINA BORISOVNA KUTSYKOVICH, 6. ALESEI IVANOVICH TOLOCHKO, 7. IGNATY NIKOLAEVICH NEKRASOV, 8. BORIS ABRAMOVICH KIRIEVSKY, 9. VLADIMIR PETROVICH LUGANSKY.

Application No. 914/Cal/82 filed August 3, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An apparatus for cooling a metallurgical furnace wall, comprising a two layer plate having a low heat conductivity layer and a high heat conductivity layer, at least two cooling metal pipes built in said plate so that a space is provided between said pipes, the interface of the plate layers being located i.e. displaced at a distance "a" from the centre line plane of the said pipes, the centre-line plane of the pipes, being substantially in parallel to the plane of the plates and is displaced relative to the longitudinal centre-line plane of the cooling pipes towards the low heat conductivity layer, the low heat conductivity of the plate being joined with the high heat conductivity layer with the aid of reinforcing inserts, the reinforcing inserts being made in the form of truncated conical projections on the high heat conductivity layer of the plate, inserted into through conical holes provided in the low heat conductivity layer, and the smaller diameter ends of the conical projections are directed towards the high heat conductivity layer.

Compl. specn. 19 pages.

Drg. 3 sheets.

CLASS : 64-B₁ 156240

Int. Cl. : H 01 r 7/00, 9/00.

A DEVICE FOR MAKING A SOLDERLESS, NON-SCREWED AND UNSTRIPPED SINGLE OR MULTIPLE CONTACT AT A TERMINAL ELEMENT.

Applicant : KRONE GMBH, OF GOERZALLE 311, 1000 BERLIN 37, WEST GERMANY.

Inventors : 1. HORST FORBERG, 2. GUNTER HEGNER, 3. KLAUS-PETER ACHTNIG, 4. GERHARD BOES.

Application No. 999/Cal/82 filed August 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A device comprising a plurality of terminal elements for solderless, non-screwed and unstripped termination of one or several wires to each terminal element, said terminal elements each being formed of leaf-shaped resilient contact material and including at least two slots, the main portion of each slot, which extends from an enlarged insertion mouth and is defined by sharp edges, having a width which due to the inclined orientation between wire and terminal element is smaller than the size of the metal core of the wire, so that upon the wire being urged into the slot the wire insulation is severed and contact is made between the wire and the

terminal element, characterized in that each terminal element (1) is designed as a double-contact (1a) or a multiple contact (1b), the transverse webs (3, 4, 5, 6) of each terminal element, which are each formed with a contact slot (2) and are disposed at an angle of about 45 degrees to the wire axis, being disposed in parallel to each other, whereby the axial spacing of at least two interconnected adjacent wires (16, 16a) is determined by the wall thickness of the resilient contact material, the central webs (7) of each terminal element being extended in upward direction and being provided at the ends thereof with retained means (7a).

Compl. specn. 9 pages.

Drg. 8 sheets.

CLASS : 32-F₃ (d)

156241

Int. Cl. : C 07 c 49/30.

AN IMPROVED METHOD FOR THE PREPARATION OF CYCLOHEXANONE.

Applicant : STAMICARBON B.V., OF P.O. BOX 10, GLEEN, THE NETHERLANDS.

Inventors : 1. PAUL CHARISTIAAN VAN GEEM, 2. THEODORUS FRANCISCUS MARIA DE GRAAF, 3. OTTO GERRIT PLANTEMA.

Application No. 1176/Cal/83 filed September 26, 1983.

Division of Application No. 897/Cal/80 dated 6th August, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An improved method for the preparation of cyclohexanone by hydrogenating benzene to cyclohexene, oxidizing the cyclohexene to cyclohexanone and recovering the cyclohexanone from the reaction mixture, this method being characterized in that the mixture of cyclohexane with benzene and/or cyclohexene, which remains after recovering of cyclohexanone from the reaction from mixture of the oxidizing step, is subjected to a dehydrogenation reaction in a known manner and the benzene thus obtained is returned to the hydrogenation step.

Compl. specn. 8 pages.

Drg. 2 sheets.

CLASS : 27 L

156242

Int. Cl. : E 04 b—5/00 + 7/00

E 04 C—3/00.

A METHOD OF MAKING REINFORCED CEMENT CONCRETE ARCH-CUM-T SLAB AND REINFORCED CEMENT CONCRETE ARCH-CUM-T SLAB OBTAINED THEREBY.

Applicant & Inventor : VIJAY GOVIND GOKHALE OF BOMBAY CHEMICALS PRIVATE LIMITED, 129, MAHATMA GANDI ROAD, BOMBAY-400 023, MAHARASHTRA, INDIA.

Application No. 148/Bom/1982 filed June 9, 1982.

Comp. after Prov. left Aug 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A method of making reinforced cement concrete arch-cum-T slab, said method comprising spacing apart and supporting each shaped formers in the area of said slab, providing precast beams with projecting reinforcement in the spacing between every two adjacent arch shaped formers and securing said projecting reinforcement to said arch

formers and pouring and setting cement concrete on and between said formers and, if desired, removing said formers, portions corresponding to the profile of said formers forming arches and portions between the centres of every two adjacent arches forming tees.

Compl. specn. 12 pages Drg. 4 sheets.
Provisional specn. 5 pages. Drg. 3 sheets.
Ind. CLASS : 181 156243
Int. Cl. : F 16 j—15/16.

A SEAL FOR THE JOINTS BETWEEN TWO RELATIVELY ROTATABLE PARTS.

Applicants : MARS SEAL PVT. LTD; 8, AMBALAD SHI MARG, FORT, BOMBAY 400 023, MAHARASHTRA, INDIA.

Inventor : CHETAN PRAVINKANT SHUKLA.

Application No. 274/Bom/1982 filed October 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A seal for the joints between two relatively rotatable parts comprising an extensible diaphragm extending between one part of the joint (hereinafter referred to as the first joint part) and a sealing ring which is thus sealingly connected with the first joint part, and is urged into sealing contact with a sealing surface on the other part of the joint by a spring characterised in that during normal working, with the friction between the sealing surfaces below a critical value, the torque necessary to overcome the friction between the sealing surfaces is transmitted to the sealing ring through the diaphragm, whilst when the friction is above this critical value the torque is transmitted to the sealing ring by a positive connection with the said first joint part.

Compl. specn. 7 pages. Drg. 3 sheets.
Ind. CLASS : 116 C 156244
Int. Cl. : B 65 g—35/00.

A MACHINE FOR CONVEYING AND GRAVITY FEEDING THE SUGAR CANE-BAGASSE TO A ROLLER MILL.

Applicant & Inventor : KARNE TUKARAM MUGUTRAO, INDIAN NATIONAL OF P.O. GUNAVARE, TALUKA PHALTAN, DISTRICT-SATARA, MAHARASHTRA, INDIA.

Application No. 128/Bom/83 filed on April 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office, Bombay Branch.

5 Claims

A machine for conveying and gravity pressure feeding of sugar cane bagasse to a roller mill, comprising a slat type chain conveyor having a closed upwardly diverging metal casing, the chain of the conveyor being enclosed by spring loaded, removable and overlapped metal plates on one side and by a fixed plate on otherside; runner guides fixed at the points of change of direction of the chain driven by a shaft and sprocket assembly, the said shaft being mounted on anti-friction bearings, and loaded by steel compression springs to give constant tension to the moving chain and the said conveyor being provided at its top portion with a gravity feed chute having downwardly diverging passage and is extended upto the pressure feed roller of a roller mill.

Compl. specn. 5 pages. Drg. 2 sheets.

CLASS : 4-A7 156245
Int. Cl. : B 64 c 11/06, 11/38.

TURBOPROP ENGINE PROPELLER CONTROL SYSTEM.

Applicant & Inventors : (1) IVAN LUKICH ALEXEEV, OF STUPINO OBLASTI PROSPEKT POBEDY, 21, MOSKOVSKOI, USSR; (2) BORIS IVANOVICH ZELENKOV, OF STUPINO OBLASTI, ULITSA TIMIRYAZEVA, 33, KV. 69, MSKOVASKOI, USSR; (3) ANATOLY DMITRIEVICH KOTOV, OF STUPINO, OBLASTI, ULITSA TIMIRYAZEVA, 33, KV. 76, MOSKOVSKOI, USSR; (4) ALEXANDR YAKOVLEVICH DUTOV, OF ZAPOROZHE, CHEREMHNAYA ULITSA, 163/1, KV. 27, USSR.

Application No. 569/Cal/82 filed May 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A turboprop engine propeller control system comprising a propeller incorporating a mechanism serving to control the pitch thereof and a device for locking the blades thereof during reduction of the propeller pitch; an engine coupled mechanically and by hydraulic passages with the propeller; and a constant-speed governor hydraulically coupled with an oil pump for setting the propeller blades to the feathered position, with an engine torquemeter mounted upon the engine, and with a propeller drag meter, and incorporating distribution valves, with one distribution valve communicating with a respective hydraulic passage connecting the engine to the propeller and serving for coupling a high pressure line of the propeller constant-speed governor with the propeller if the pitch thereof increases, with the second hydraulic valve communicating with a respective hydraulic passage connecting the engine to the propeller and serving for coupling the propeller with an engine crankcase return line when the propeller blades are locked, and with the third distribution valve communicating with a respective hydraulic passage connecting the engine to the propeller and serving for coupling the high-pressure line in the propeller constant-speed governor with the propeller when the pitch thereof decreases, wherewith the constant-speed governor comprises control valves, with one control valve connected through a hydraulic passage to the first distribution valve and to the propeller drag meter, with the second control valve connected through a hydraulic passage to the second distribution valve and to the engine torquemeter, and with the third control valve connected hydraulically to the first control valve and to the propeller drag meter.

Compl. specn. 26 pages. Drg. 2 sheet.

CLASS : 56-D 156246
Int. Cl. : B 01 d 11/00.

PROCESS FOR EXTRACTING CONCENTRATING AND PURIFYING NATURAL AROMAS OF PLANT ORIGIN.

Applicant : SOCIETE ANONYME DITE : COMPAGNIE FRANCAISE DE RAFFINAGE, OF 5, RUE MICHELANGE, 75781 PARIS CEDEX 16, FRANCE.

Inventors : 1. MONSIEUR ROBEN LOUTATY. 2. MONSIEUR CHRISTIAN ROLLAND.

Application No. 766/Cal/82 filed June 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for extracting, concentrating and purifying natural aromas of plant origin such as fruits, vegetables, seeds or aromatic plants, comprising a step for extracting the aroma by means of an appropriate solvent, characterized in that the solvent contained in the extraction solution so obtained is subjected to a partial separation by distillation of the solvent contained in the said extract, this distillation

being discontinued when the concentration of the aroma in said solvent extract becomes such that the boiling temperature of the solution tends to exceed that of the pure solvent; the residual solution being then subjected to stripping with an inert gas, so as to eliminate the rest of the solvent and recover by methods known *per se* the natural aroma in the substantially pure state.

Compl. specn. 12 pages.

Drg. Nil

CLASS : 32 C; 55-E; 60-X₂d

156247

Int Cl : C 07 g 3/00.

A METHOD FOR PREPARING INNER ESTER GANGLIOSIDE DERIVATIVES.

Applicant : FIDIA S.p.A., OF VIA PONTE DELLA FABBRICA, 3-A, 35031, ABANO TERME (PADOVA), ITALY.

Inventors : 1. FRANCESCO DELLA VALLE, 2. AURELIO ROMEO.

Application No. 887/Cal/82 filed July 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method for preparing inner ester ganglioside derivatives which comprises reacting in a non-aqueous organic solvent, a salt of ganglioside or mixture of gangliosides having a tertiary nitrogen base, wherein the carboxylate group of said ganglioside or mixture of gangliosides are converted to tertiary salt thereof by means of a ion exchange, with a lactonization reagent to form at least one lactonic bond and forming the said inner ester ganglioside derivatives.

Compl. specn. 30 pages.

Drg. 2 sheets.

CLASS : 123

156248

Int. Cl : C 05 g 3/00.

A PROCESS FOR THE PREPARATION OF A PLANT GROWING MEDIUM ADDITIVE.

Applicant : UNILEVER PLC, OF UNILEVER HOUSE, BLACKFRIARS, LONDON EC4, ENGLAND.

Inventors : 1. JOHN ANTHONY BOSLEY, 2. ROGER BRIAN DEHNEL, 3. SERGE ALFRED SYMIEN.

Application No. 929/Cal/82 filed August 5, 1982.

Convention dated 7th August, 1981 (8124256) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for the preparation of a plant growing medium additive in which a mixture of acrylamide and (meth) acrylic acid salt in a molar ratio of at least 70 : 30 but not greater than 95 : 5 is copolymerised in the presence of a cross-linking agent such as herein described in an amount sufficient to ensure that less than 30% of the resulting product (expressed by weight of the resulting product when dry) is water soluble while enabling the resulting product to absorb releasably at least 25 times its own weight of water.

Compl. specn. 21 pages.

Drg. Nil.

CLASS : 119-F & I

156249

Int. Cl : D 03 d 49/60.

RACE FIXING DEVICE IN WEAVING MACHINE.

Applicant : KABUSHIKI KAISHA TOYODA JIDO-SHOKKI SEISAKUSHO OF 1, TOYODA-CHO 2-CHOME, CITY OF KARIYA, AICHI PREFECTURE, JAPAN.

Inventors : 1. FUMIO KAMIO, 2. TUTAKA SATO.

Application No. 976/Cal/82 filed August 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Race fixing device in a weaving machine, comprising a plurality of compartments provided in wood race of said weaving machine and having mounting holes formed on bottom of and through each of said compartments, spacing means having spacing portion and installed through each of said mounting holes, said spacing portion having length which is smaller than that of the mounting hole, and fastening means for fastening said wood race to slay of the weaving machine via said spacing means.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 200-D

156250

Int. Cl : G 05 d 15/00.

PNEUMATIC CONTROLLER FOR CONTROLLING A PROCESS VARIABLE

Applicant : FISHER CONTROLS INTERNATIONAL, INC., AT 7711 BONHOMME, CLAYTON, MISSOURI, 63105, U.S.A.

Inventors : 1. DAVID GUGENE WIKLUND, 2. GERALD FRANK VARNUM.

Application No. 12270/Cal/82 filed October 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A pneumatic controller for controlling a process variable comprising :

a base;

a nozzle;

a set point lever on' which the nozzle is mounted, the set point lever being pivotably mounted on the base for pivoting the nozzle about a set point and input axis in response to a process variable set point adjustment;

a flapper pneumatically cooperating with the nozzle and pivotably mounted on the base for pivotal movement about the set point and input axis and about a feedback axis;

a process lever connected to the flapper for pivoting the flapper about the set point and input axis in response to the process variable; and

a feedback lever connected to the flapper for pivoting the flapper about the feedback axis in response to the feedback.

Compl. specn. 15 pages.

Drg. 4 sheets.

CLASS : 145-E₂

156251

Int. Cl. : D 21 c 3/02.

PROCESS FOR THE PRODUCTION OF CHEMICAL PAPER PULP AND PULP THUS PREPARED.

Applicant : PCUK PRODUITS CHIMIQUES UGINE KHLAMMANN, OF TOUR MANHATTAN-LA DEFFENSE 2, 5 & 6 PLACE DE L'IRIS, 92400 COURBEVOIE, FRANCE.

Inventors : 1. DOMINIQUE LACHENAL, 2. CHRISTIAN DE CHOUDENS, 3. PIERRE MONZIE.

Application No. 25/Cal/82 filed January 6, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for the preparation of chemical pulps which process comprises heating (first heating stage) wood chips in an alkaline liquor containing a sulphur compound until the wood chips have a residual lignin level corresponding to a Kappa index of 45 to 100 for coniferous wood or 30 to 50 for deciduous wood such as herein described; mechanically grinding the resultant wood chips; and finally heating (second heating stage) the ground wood chips further in an alkaline solution containing from 0.1 to 1.5% by weight of a peroxide, having the general formula R-O-O-X, wherein R represents a radical and X represents a metal ion or hydrogen, relative to the dry weight of the ground material, such as herein described.

Compl. specn. 16 pages.

Drg. Nil

CLASS : 176-I

156252

Int. Cl. : F 23 j 1/00.

ASH REMOVAL DEVICE FOR COAL FIRING SYSTEMS OF STEAM GENERATORS.

Applicant & Inventor : LOTHAR TESKE OF HEGELSTR. 15, 5000 KOLN 90, WEST GERMANY.

Application No. 1000/Cal/82 filed August 27, 1982

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Ash removing device for the coal firing systems of steam generators in which an endless scraper chain moves round in a trough, which is positioned beneath the ash funnel and filled with quenching water, and conveys the quenched ash out of the trough for which purpose the chain which has a tensioning device is led around a drive wheel, a guide wheel and several idler wheels positioned in the trough, whereby the drive wheel is positioned above the level of the quenching water, a hydro-motor is provided which acts on the drive wheel shaft and is able to be pressurized by a hydro-pump, characterized in that there is provided a hydro-motor which acts on the drive wheel shaft and is pressurized by a hydro-pump, said hydro-motor being provided with hydro-cylinders which act as chain tensioning devices, said chain tensioning devices (14) being positioned and acting in the region of the drive wheel (6) and the guide wheel (7) being positioned at least approximately at the same level as the parts of the chain running in the quenching water (1).

Compl. specn. 12 pages.

Drg. 2 sheets.

CLASS : 172 C₂

156253

Int. Cl. : D 01 g 27/00.

DEVICE FOR CONTINUOUS COMPRESSION AND DETERMINATION OF THE MASS OF A FIBER SLIVER.

Applicant : MASCHINENFABRIK RIETER AG, OF WINTERTHUR, SWITZERLAND.

Inventors : 1. HANSPIETER MEILE, 2. VIKTOR PIETRINI

Application No. 1111/Cal/82 filed September 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Device for continuous compression and determination of the mass of a fiber sliver having a pair of rollers which can be pressed against one another and whose peripheries inter-engage in such manner that a laterally defined nip-zone is produced, and having a sliver-feeding funnel, characterized in that the fiber exit opening (12) of the funnel (10) lies within the region of the wedge-shaped gap (13) which is defined by the overlapping zone (15) of the side faces (6, 7; or 17, 18; 19, 20) of the rollers (2, 3 or 4, 5).

Compl. specn. 6 pages.

Drg. 2 sheets.

CLASS : 32-J;a; 55-E₁

156254

Int. Cl. : C 07 c 113/00; A 611 27/00.

PROCESS FOR PREPARING 2-AMINO-3-BENZOYLPHENYLACETAMIDES AND CYCLIC HOMOLOGUES.

Applicant : A. H. ROBINS COMPANY, INC., OF 1407 COMMINGS DRIVE, RICHMOND, VIRGINIA-23220, UNITED STATES OF AMERICA.

Inventors : 1. JAMES ROBERT SHANKLIN, JR. 2, DWIGHT ALLEN SHAMBREE, 3. DAVID ALLAN WALSH.

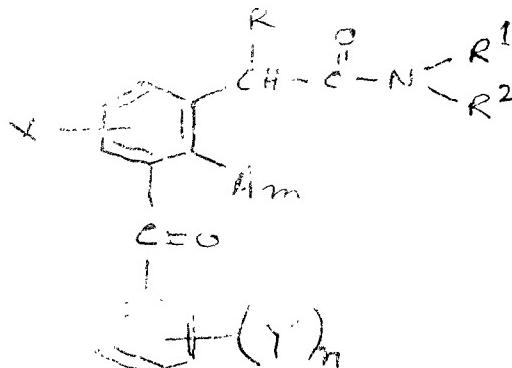
Application No. 1508/Cal/82 filed December 30, 1982.

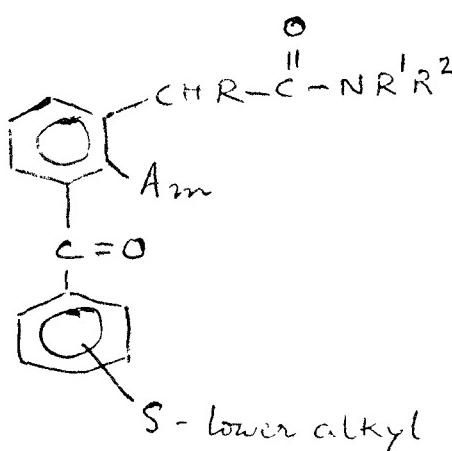
Division of Application No. 1092/Cal/80, 26th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for preparing a compound having the formula I shown in the accompanying drawings





wherein R is hydrogen or lower alkyl,

R¹ and R² are selected from hydrogen, lower alkyl, cycloalkyl, phenyl and phenyl substituted by lower alkyl, lower alkoxy, halogen, nitro and trifluoromethyl, or R¹ and R² when taken together with the adjacent nitrogen form a heterocyclic residue; X is hydrogen, lower alkyl, lower alkoxy, halogen or trifluoromethyl, lower alkylthio, lower alkyloxythio or lower alkyl-dioxythio; Am is a dimethylamino, and n is 1-3 inclusive which process comprises: di-methylating a compound of formula I in which Am is an amino group with sodium cyanoborohydride, formaldehyde, acetonitrile and acetic acid.

X is hydrogen,

Y is lower alkyloxythio or lower alkyl-dioxythio

Am is a primary amino (-NH₂), methylamino or dimethylamino, and

n is 1, which process comprises:

oxidizing a compound of formula Ic shown in the drawings wherein R, R¹, R² and Am are as defined above.

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 32-F₂ a; 55-E₄

156235

Int. Cl. : A 61 k 27/00; C 07 c 113/00.

PROCESS FOR PREPARING 2-AMINO-3-BENZOYL-ACETAMIDES AND CYCLIC HOMOLOGUES.

Applicant : A. H. ROBINS COMPANY, INC., OF 1407 CUMMINGS DRIVE, RICHMOND, VIRGINIA 23220, UNITED STATES OF AMERICA.

Inventors : 1. JAMES ROBERT SHANKLIN, JR. 2. DWIGHT ALLEN SHAMBLEE, 3. DAVID ALLAN WALSH.

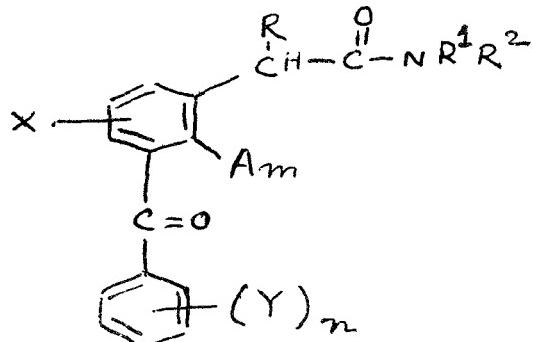
Application No. 1509/Cal/82 filed December 30, 1982.

Division of Application No. 1092/Cal/80 dated 26th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for preparing a compound having the formula I shown in the accompanying drawings,



wherein R is hydrogen or lower alkyl; R¹ and R² are selected from hydrogen, lower alkyl, cycloalkyl, phenyl, substituted by lower alkyl, lower alkoxy, halogen, nitro and trifluoromethyl, or R¹ and R² when taken together with the adjacent nitrogen form a heterocyclic residue; X is hydrogen, lower alkyl, lower alkoxy, halogen or trifluoromethyl, lower alkylthio, lower alkyloxythio or lower alkyl-dioxythio; Am is a dimethylamino, and n is 1-3 inclusive which process comprises: di-methylating a compound of formula I in which Am is an amino group with sodium cyanoborohydride, formaldehyde, acetonitrile and acetic acid.

Compl. specn. 13 pages.

Drg. 1 sheet.

CLASS : 32-F₂; 32-F₂a; 55-D₂

156256

Int. Cl. : A 01 n 9/00; C 07 c 93/00.

PROCESS FOR THE PREPARATION OF OXIME ETHERS.

Applicant : SUMITOMO CHEMICAL COMPANY, LIMITED, OF NO. 15, KITAHAMA 5-CHOME, HIGASHI-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

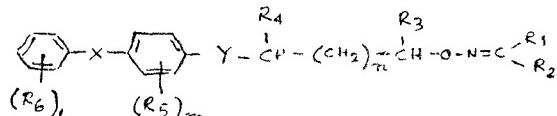
Inventors : 1. TADASHI OHSUMI, 2. MAKOTO HATAKOSHI, 3. HIROSI KISIDA.

Application No. 148/Cal/83 filed February 8, 1983.

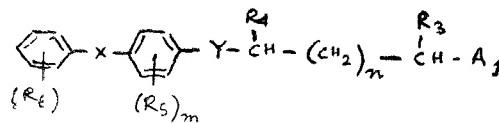
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Claim 1

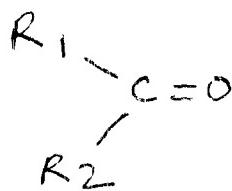
A process for preparing oxime ethers of the formula I shown in Fig. 7 of the accompanying drawings,



wherein R₁ and R₂ are same or different, each a hydrogen atom, a C₁-C₃ alkyl group optionally substituted with halogen, an alkoxyalkyl or alkylthioalkyl group of the formula : R-Z-(CH₂)_q, a C₂-C₃ alkenyl group, a C₂-C₄ alkynyl group, a C₁-C₂ alkoxy group, a C₁-C₃ alkoxy group, a C₁-C₂ alkylthio group, a phenyl group, a pyridyl group, a furyl group or a thiienyl group, or R₁ and R₂ may be combined together to form a saturated or unsaturated 5- or 6-membered ring optionally having not more than 2 oxygen or sulfur atoms within the ring, R₃ and R₄ are same or different, each a hydrogen atom or a different, each a hydrogen atom or a methyl group, R₅ is a methyl group or a halogen atom, R₆ is a C₁-C₄ alkyl group a methoxy group, a halogen atom, a trifluoromethyl group or a nitro group, R₇ is a methyl group or an ethyl group, X is an oxygen atom, sulfur atom or a methylene group, Y and Z are each an oxygen atom or a sulfur atom, l is an integer of 0 to 5, m is an integer of 0 to 4, n is an integer of 0 to 2 and q is an integer of 1 or 2, which comprises reacting a compound of the formula II shown in Fig. 2



wherein R_3 , R_4 , R_5 , R_6 , X , Y , I , m and n are each as defined above and A_1 is a group of the formula : -ONH₂ with a compound of the formula VII shown in Fig. 7,



wherein R_1 and R_2 are each as defined above, or its reactive derivative.

Compl. specn. 43 pages.

Drg. 4 sheets.

CLASS : 32-E

156257

Int. Cl. : C 08 f 1/00, 3/00.

PROCESS FOR POLYMERIZING ETHYLENICALLY UNSATURATED COMPOUNDS.

Applicants : ANIC Sp.A., OF VIA M. STABILE 216, PALERMO, ITALY AND SNAMPROGETTI S.p.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventors : 1. ALBERTO GERCO, 2. GUGLIELMO BERTOLINI, 2. GIANFRANCO PAZIENZA.

Application No. 426/Cal/83 filed April 12, 1983.

Division of Application No. 23/Cal/80 dated 5th January, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An improved process for polymerizing ethylenically unsaturated compounds such as hereinbefore exemplified, characterised in that it comprises the steps of reacting at least one compound selected from among ethylene, hex-1-ene, 4-methyl-pent-1-ene, buta-1, 3-diene, cyclopentene and propylene with a catalyst system such as hereinbefore defined under a pressure of from 8 to 11 atom of the compound(s) to be polymerized and of from 0.5 to 13 atom of hydrogen whenever added as a molecular weight adjuster and for a time of from 1 to 6 hours, the polymerization reaction being continued till the desired degree of polymerization is reached, and collecting in any known manner the polymerizate thus obtained.

Compl. specn. 13 pages

Drg. Nil.

CLASS : 55-E₃

156258

Int. Cl. : A 61 k 19/00 C 07 g 7/03.

A PROCESS FOR PRODUCING PHYSIOLOGICALLY ACTIVE PROTEIN.

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors : 1. DAVID WOMACK STROMAN, 2. EUGENE HERMAN WEGNER.

Application No. 531/Cal/83 filed May 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for preparing single cell protein material which comprises :

- (a) growing microbial cells whose genome has been altered so as to be capable of synthesizing physiologically active protein under suitable fermentation conditions; and
- (b) producing from the process of fermentation of said microbial cells in (a) an effluent containing single cell protein which has said physiologically active protein as a part thereof, and
- (c) and treating the said microbial cells to render the same non-viable.

Compl. specn. 15 pages.

Drg. Nil.

Ind. CLASS : 32F₁+F₂b+55D₁

156259

Int. Cl. : C 07 d—51/78.

AN IMPROVED PROCESS FOR THE PREPARATION OF QUINOXALINE-2(1H) ONES FROM 3, 4-DIHYDRO-QUINOXALINE-2(1H) ONES.

Applicant : SUDARSHAN CHEMICAL INDUSTRIES LTD, 162, WELLESLEY ROAD, SANGAM BRIDGE, PUNE-411 001, MAHARASHTRA, INDIA.

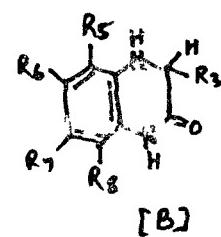
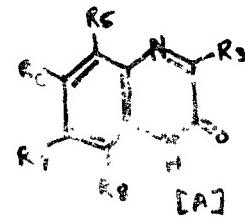
Inventor : ABRAHAM THOMAS.

Application No. 221/Bom/1982 filed on September 1, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

An improved process for the preparation of quinoxaline-2(1H) ones, represented by Formula (A) of figure 1 of



the accompanying drawing, wherein R_3 , R_5 , R_6 , R_7 and R_8 stand for hydrogen or as described in the specification from 3, 4-dihydroquinoxaline-2(1H) ones represented by Formula B of Fig. 2 of the accompanying drawing where R_3 , R_5 , R_6 , R_7 and R_8 having the same meaning as hereinbefore described, which process comprising oxidation of aqueous alkaline solution of 3, 4-dihydroquinoxaline-2(1H) ones at temperature of 45 to 80°C characterised in that said oxidation is carried out in the presence of redox catalyst hereinbefore described, and recovering the quinoxaline-2(1H) ones from the reaction mixture by the known manner.

Compl. specn. 6 pages.

Drg. 1 sheet.

Ind. CLASS : 146 D. + D. 89 156260

Applicants : LARSEN & TOUBRO LIMITED, OF
L & T HOUSE, NAROTAM MORARJI MARG, BAL-
LARD ESTATE, BOMBAY-400 001, INDIA.

Inventors : (1) MATHUR RAMASWAMY SHANKER
AND (2) GAJANAN KRISHNAJI SADEKAR.

Application No. 312/Bom/1982 filed on November 18, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims

A holder for firmly and removably holding a vibration sensing device such as electromechanical transducer in a tube or the like, said holder comprising a tubular member adapted to firmly and removably locate said device therein, one end of said member being open and the other end of said member opposite to said one end being closed and provided with a hole, said member having a collar at or towards its centre; and a pair of tapered sleeves, one sleeve being provided over said member from said one end with the wide or outer end of said one sleeve directed away from said one end and the other sleeve being provided over said member from said other end with the wide or outer end of said other sleeve directed away from said other end, the mating surfaces of said sleeves and said member being adapted to firmly and removably support said sleeves on said member and the wide or outer portion of each said sleeve being provided with a plurality of spaced apart longitudinal slots originating from the wide or outer end thereof.

Compl. specn. 10 pages

Drg. 1 sheet

Ind CLASS . 164A II(3) 155261

Ind. CLASS : 55 E 4

156263

Int. Cl. : A 61 K—27/14

PROCESS FOR PRODUCING POLY(1,3-PHENYLENE TEREPHTHALATE)

PROCESS FOR PRODUCTION OF BIOGAS FROM BIOMASS.

Applicant & Inventor GADIPALI SITA RAMA
NARASIMHAMURTY A-105, PRASHANT APART-
MENTS, BOMBAY-400 076, MAHARASHTRA, INDIA.

Application No 269 Bom/1982 filed on October 14
1982.

Appropriate office for opposition proceedings (Rule 4
'agents Rules, 1972) Patent Office Branch, Bombay-400 013

14 Claims

A process for efficiently converting a wide range of biodegradable organic materials into biogas and slurry as liquid manure and solid manure by (a) reducing the size of biodegradable organic materials to a particle size less than 6 mm; (b) mixing the biodegradable organic matter with water and nutrients such as nitrogen, phosphorous and potassium to form a slurry containing 5 to 12% of solids; (c) Predigesting the slurry for about 24 hours to form a partially digested slurry; (d) feeding the partially digested slurry into a first digester to be agitated and anaerobically digested to produce a gas; (e) passing the gas from the first digester into a second digester, where it is continued to be agitated and anaerobically digested to produce a gas higher in methane content; (f) recycling an amount of the slurry from the first digester (about 0.5 to 4 times the feed mixture) and mixing with the feed to enter the process at step (b); (g) recycling a part of the slurry from the second digester into the first digester, the amount recycled to be about 0.5 to 4 times the feed mixture, in order to increase the rate of digestion and gas production; (h) collecting the gas formed in the digesters in separate gas holders or common gas holder.

Drg. 1 sheet

LASS : 146C 156262

A process for manufacturing of a hypocholesterolemic and hypoglycemic bitter gourd (Karela) powder which process comprising,

- (a) Selecting the fresh and mature bitter gourd (KARELA) fruits;
 - (b) Washing the said fruit with water;
 - (c) Chopping the said fruit into small pieces preferably of equal size in known manner;
 - (d) Separating the seeds from the pieces of the Karela as obtained in the above step (c);
 - (e) Washing the above deseeded pieces of the Karela thoroughly preferably with distilled water;
 - (f) Semi drying of the above said pieces as obtained in the above said step (e) in sun or using solar dryer of known types;
 - (g) Further drying the above semi dried pieces in an oven or incubator as herein described;
 - (h) Cooling the above dried pieces upto the room temperature;
 - (i) Grinding the above dried pieces in known manner to form a powder of desired particles size;
 - (j) Sieving the above said powder to obtain a fine powder.

Compl. specn. 4 pages

Drg. Nil

gated receiver circuits connected to said ultrasonic receiver so as to provide electrical measurement signals representing the relative strength of ultrasonic acoustic signals received by said receiver during repetitive gated time intervals which intervals are synchronized by reference to the timing of said pulsing circuits in the transmitter to include only the initial portions of each received pulse or burst of said ultrasonic acoustic signals; and

display means connected to said gated receiver circuits for generating and displaying test results derived from said electrical measurement signals.

Compl. specn. 47 pages.

Drg. 8 sheets.

CLASS : 205 H, E & 126 A

156269

Int. Cl. : G 01 m—17/02.

APPARATUS FOR TESTING NON DESTRUCTIVE TIRES.

Applicant : BANDAG INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF IOWA, U.S.A., OF BANDAG CENTER, MUSCATINE, STATE OF IOWA, 52761, U.S.A.

Inventors : DOYLE LAWRENCE DUGGER & MORRIS DEAN HO.

Application for Patent No. 644/Del/83 filed on 19th September, 1983.

Divided out of patent application No. 165/Del/80 dated 7th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005

9 Claims

A non-destructive tire testing apparatus having plural ultrasonic acoustic transmitters connected and driven by electrical pulsing circuits passing repetitive pulses or bursts of ultrasonic acoustic signals through a portion of the wall of a tire, each plural opposingly situated ultrasonic receivers on the opposite side of the tire so as to derive and display a measurement of the condition of the thus tested portion of the tire wall, said apparatus being characterized by :

a multiplex connected to said transmitters and actuating only a single one of said transmitters at any given time.

Compl. specn. 44 pages.

Drg. 8 sheets.

CLASS : 205 H, E & 126 A

156270

Int. Cl. : G 01 m—17/02.

APPARATUS FOR TESTING NON DESTRUCTIVE TIRES.

Applicant : BANDAG INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF IOWA, U.S.A., OF BANDAG CENTER, MUSCATINE, STATE OF IOWA, 52761, U.S.A.

Inventors : DOYLE LAWRENCE DUGGER & MORRIS DEAN HO.

Application for Patent No. 645/Del/83 filed on 19th September, 1983.

Divided out of Patent application No. 165/Del/80 dated 7th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

20 Claims

A non destructive tire testing apparatus having an ultrasonic acoustic transmitter and an ultrasonic acoustic receiver opposingly mounted on opposite sides of a relatively movable tire wall so as to obtain by ultrasonic signals and display visually a measurement of the condition of the thus tested portion of the tire wall, said apparatus being characterized by :

ultrasonic electrical drive and receive circuits connected operatively to said transmitter and receiver for causing successive ultrasonic signals of different frequency to be transmitted through said tire wall at each of successive testing sites and combining circuits connected to said receive circuits for combining together measurements of received ultrasonic signals made at each site.

Complete specification 48 pages.

Drg. 8 sheets.

CLASS : 205 H, E & 126 A

156271

Int. Cl. : G 01 m 17/02.

APPARATUS FOR TESTING NON DESTRUCTIVE TIRES.

Applicant : BANDAG INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF IOWA, U.S.A., OF BANDAG CENTER, MUSCATINE, STATE OF IOWA, 52761, U.S.A.

Inventors : DOYLE LAWRENCE DUGGER & MORRIS DEAN HO.

Application for Patent No. 646/Del/83 filed on 19th September, 1983.

Divided out of Patent application No. 165/Del/80 dated 7th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A non-destructive tire testing apparatus having an ultrasonic acoustic transmitter and an ultrasonic acoustic receiver opposingly mounted on the inside and outside respectively of a relatively moveable inflated tire wall so as to obtain (by passage of ultrasonic signals) and to visually display a measurement of the condition of the thus tested portion of the tire wall, said apparatus being characterized by :

opposing circular rings adapted to sealingly engage the corresponding rims of the tire when placed therebetween; and

adjustable transmitter mounting means including a pneumatic cylinder mechanically mounted between said rings for retracting said transmitter radially toward the center of the circular rings while mounting and de-mounting the tire from between said rings and for extending said transmitter radially away from the center of the circular rings and toward the tire treaded wall to a fixed active position during a testing cycle.

Compl. specn. 45 pages.

Drg. 8 sheets.

CLASS : 205 H, E & 126 A

156272

Int. Cl. : G 01 m 17/02.

APPARATUS FOR TESTING NON DESTRUCTIVE TIRES.

Applicant : BANDAG INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF IOWA, U.S.A., OF BANDAG CENTER, MUSCATINE, STATE OF IOWA, 52761, U.S.A.

Inventors : DOYLE LAWRENCE DUGGER & MORRIS DEAN HO.

Application for Patent No. 647/Del/83 dated 19th September, 1983.

Divided out of Patent application No. 165 Del/80 dated 7th March, 1980.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-5

5 Claims

A non-destructive tire testing apparatus having an ultrasonic acoustic receiver mounted outside a tire to scan the relatively moving outside wall of the tire, said apparatus being characterized by :

sealing means disposed on either side of said tire for mounting said tire in an inflated pressurized state; and

signal processing means connected to said receiver for detecting the presence of ultrasonic signals generated by air escaping from a leak in the tire wall.

Compl. specn. 43 pages.

Drg. 8 sheets.

CLASS : 205 H, E & 126 A

156273

Int. Cl. : G 01 m 17/02.

APPARATUS FOR BUFFING AND FOR NON DESTRUCTIVELY TESTING A BUFFED TIRE CARCASS.

Applicant : BANDAG INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF IOWA, U.S.A., OF BANDAG CENTER, MUSCATINE, STATE OF IOWA 52661, U.S.A.

Inventors : DOYLE LAWRENCE DUGGER & MORRIS DEAN HO.

Application for Patent No. 648/Del/83 filed on 19th September, 1983.

Divided out of Patent application No. 165/Del/80 dated 7th March, 1980.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

Apparatus for buffing and for non-destructively testing a buffed tire carcass, said apparatus comprising :

a frame,

opposing circular rings supported by said frame for sealingly engaging the corresponding rims of said tire,

tire inflation means provided within said rings for inflating said tire after engagement by said rings,

buffing means provided outside said tire and supported by said frame for rotating said inflated tire and for buffing away the outer treated wall surfaces to provide a substantially uniform outside tread wall surface on the resulting tire carcass,

ultrasonic acoustic transmitter and receiver means disposed inside and outside said inflated tire for measuring the relative strengths of ultrasonic acoustic signals transmitted through different areas of said buffed tread wall as it is rotated thereby non-destructively testing the buffed tire carcass.

Compl. specn. 44 pages.

Drg. 8 sheets.

CLASS : 44; 206-E & K

156274

Int. Cl. : G 04 b 17/00; G 04 c 25/00.

A SYSTEM FOR ENERGISING A RADIO AND/OR A TAPE-RECORDE IN "TO-THE-MINUTE" ACCURATE TIME.

Applicant & Inventor : SAMAR LAL MAITRA, OF QR. NO. D-4/R, SAGARBHANGA HOUSING COLONY, P.O. DUPGAPUR-713211, DIST. BURDWAN, WEST BENGAL, INDIA

Application No. 80/Cal/82 filed January 21, 1982.

Complete Specification dated left on 28th April, 1982.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A system for energising a radio and/or a tape-recorder in "to-the-minute" accurate time, as desired, comprising a radio, a tape-recorder and a clock, housed as one unit, and having a power-supply unit, adapted to energise the radio and the tape-recorder separately or in unison at the desired time, characterised in that the said power-supply unit is adapted to be put on at the desired time in "to-the-minute" accuracy by a time-setter of the clock, and the said time-setter has a time-setting shaft, the exterior end whereof protrudes from the back side of the clock, and is operatively engaged with a time-setting device, provided at the back side of the clock, a cam pin is fitted at the interior end of the time-setting shaft such that it is in pressing contact with the front face of a cam, which is rotatably mounted in relation to the time-setting shaft and is operatively connected with the gearing system of the "hour"-hand and the "minute"-hand of the running clock for its simultaneous and synchronous rotation with the said "hour"-hand and the "minute"-hand, the said cam pin being adapted to be moved angularly in relation to the clockwise rotation of the cam for being set in desired position corresponding to the time when energisation of the radio and/or the tape-recorder is required, and kept stationary in such set position by means of the said time-setting device through the time-setting shaft, and further characterised in that the said time-setting device comprises a time-setting dial having "hour" and "minute" graduations identically arranged and disposed to those of the time-dial of the clock, and also having "hour" and "minute" setting hands, a plate having a predetermined number of circularly disposed and uniformly spaced holes, and a crank-lever with its shaft rotatably mounted at the centre of the said plate in relation to the said circularly disposed holes and the free end of the crank-lever, being provided with a spring-biased pin for being inserted in any of the said holes, as required, the said shaft of the crank-lever being operatively connected with the said "hour"-and "minute"-setting hands on the time-setting dial through a train of gears, the ratio whereof in relation to each other is selected such that the desired time for actuating the said power-supply unit is capable of being set in "to-the-minute" accuracy, and the said cam pin is adapted to be kept stationary in the said position corresponding to the said set time through the said time-setting shaft.

Provisional Specification 4 pages.

Compl. Specn. 23 pages.

Drg. 4 sheets.

CLASS : 83 A, & 83-B

1156275

Int. Cl. : A 23 b 7/00; A 23 l 1/00.

METHOD AND APPARATUS FOR DEAREATING AND DRYHYDRATING OF FRESH FRUIT.

Applicant : THE J. M. SMUCKER COMPANY OF STRAWBERRY LANE, ORRVILLE, OHIO 44667, UNITED STATES OF AMERICA.

Inventor : DAVID ROSWELL GROSS.

Application No. 585/Cal/82 filed May 22, 1982.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method of deareating and dehydrating fresh fruit comprising the steps of :

(A) subjecting a mass of fruit to a vacuum which causes air and liquid in the cells of the fruit to pass through the walls of the cells with the rate of change from atmospheric to the vacuum establishing a differential pressure between the inside and outside of the cells which does not create forces

which rupture the cell walls and at a temperature of the crust below the boiling point of water until a major portion of the free air in the cells or dissolved in the cell liquid has evolved through the walls of the cells.

(B) then moving said deaerated fruit longitudinally a smooth-surfaced, rotating, heated cylinder at a vacuum causing liquid in the cells of the fruit to continuously migrate to and coat the surfaces of the fruit and the inner walls of the cylinder as the cylinder rotates without establishing a differential pressure between the inside and outside of the cells that ruptures of the cell walls:

- (a) the temperature of the cylinder walls being above the boiling temperature of water at said vacuum whereby as the cylinder rotates the water in the liquid coats the walls of the cylinder and rapidly evaporates;
- (b) the rate of rotation being such that at least a major portion of the walls of the cylinder are continuously wetted by the liquid coating and the fruit slides in contact with the walls of the cylinder.

(C) continuing step B until the fruit is acceptably dehydrated.

Compl. specn. 23 pages.

Drg. 1 sheet.

CLASS : 32-F₂a 156276

Int. Cl. : C 07 c 41/10.

PROCESS FOR THE PREPARATION OF METHYL TERT-BUTYL ETHER AND ETHYL TERT-BUTYL ETHER.

Applicant : EUTECO IMPIANTI S.p.A., OF VIA GRAZIOLI 11, MILANO, ITALY AND PETROLEX INDUSTRIA ECOMERCIO S.A., OF RUA PARANA, S/N, CAMPOS ELISIOS, DUQUE DE CAXIAS, RIO DE JANEIRO, BRAZIL.

Inventors : 1. PIETRO BARATELLA, 2. GIOVANNI MAIORANO, 3. LUIGI VALTCRTA, 4. PETER SCHWARZ.

Application No. 861/Cal/82 filed July 26, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Process for the preparation of methyl tert-butyl ether or ethyl tert-butyl ether by the selective reaction of methanol or ethanol respectively with isobutylene contained in a C₄-hydrocarbon fraction, in the liquid phase, in the presence of acid catalysts, with a molar ratio of the alcohol to the isobutylene of from 1 : 1 to 1.25 : 1 and for a time sufficient to achieve conditions equal to or approximately equal to the thermodynamic equilibrium of the reagent system characterised in that the reaction is run at a temperature of from 40° to 100°C and at a pressure of from 15 to 40 bars and an aliphatic hydrocarbon or mixtures of aliphatic hydrocarbons usually from pyrolysis of petroleum fraction which are liquid under the operating conditions and inert to the other constituents of the reaction medium are fed to the medium, the said hydrocarbon being fed in an amount to maintain at the equilibrium, a molar ratio with the formed ether higher than 7 : 1.

Compl. specn. 37 pages.

Drg. 6 sheets.

OPPOSITION PROCEEDINGS

An Opposition has been entered by Director General, Research Designs & Standards Organisation to the grant of a Patent on application No. 154610 made by P.V.B.A. BETONRONSTUKTIE V. D. HEMIKSFM, Personen V'Venootschap met beperkte aansprakelijkheid.

PATENTS SEALED

149366 150292 152876 152888 152890 152891 152912 152961
153035 153155 153249 153253 153255 153260 153261 153263
153267 153276 153277 153278 153279 153280 153281 153285
153286 153288 153289 153597.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendment proposed by OMNIUM FINANCIER AQUITAINE POUR L'HYGIENE ET LA SANTE (SANOFI) in respect of Patent application No. 152492 as advertised in Part III, Section 2 of the Gazette of India dated the 22nd December, 1984 has been allowed.

Claims under section 20(1) of the Patents Act, 1970

(1)

The claim made by HOLLINGSWORTH U.K. LIMITED under section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 150622 in their name has been allowed.

(2)

The claim made by KRW Energy Systems Inc under section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 152376 in their name has been allowed.

(3)

The claim made by KRW Energy Systems Inc under section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 152526 in their name has been allowed.

(4)

The claim made by KRW Energy Systems Inc under section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 151987 in their name has been allowed.

RENEWAL FEES PAID

126520 131793 135803 136195 136430 136432 136863 136878
136959 136978 137017 137404 137599 138046 138928 139109
139515 139714 139857 139901 140352 140790 140912 141097
141250 141324 141382 141736 141974 142096 142424 142745
143128 143360 143820 143829 143862 143949 144141 144177
144398 144725 144736 144749 144776 144869 144977 144994
145739 146111 146157 146339 146345 146397 146459 146527
146735 146785 146818 146903 147161 147211 147253 147294
147295 147520 147587 147654 147663 147670 147675 147730
147751 147873 147969 147996 147998 148132 148185 148268
148283 148329 148562 148645 148648 148649 148705 148734
148757 148812 148833 148836 149005 149279 149302 149311
149370 149412 149437 149563 149637 149695 149700 149712
149770 149789 149795 149923 149923 149940 149986 150080
150145 150180 150183 150215 150533 150535 150575 150602
150730 150829 150842 150848 151078 151101 151102 151153
151154 151197 151289 151351 151407 151414 151423 151459
151460 151461 151494 151495 151663 151692 151706 151707
151708 151721 151722 151733 151863 151872 151873 151878
152009 152014 152018 152062 152170 152285 152358 152383
152447 152468 152469 152480 152481 152538 152541 152546
152577 152579 152580 152589 152616 152714 152845 152949
152966 153094 153134 153139

CESSATION OF PATENTS

146827 152020.

RESTORATION PROCEEDINGS

The patent ceased on the 31st November, 1984 due to non-payment of renewal fees within the prescribed time under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 152020 granted to Mail Order Sales Private Limited for an invention relating to "Physical exercise device".

The patent ceased on the 31st November, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 8th June, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta 700017 on or before the 8th August 1985 under Rule 69 of the Patents Rules 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 155022. Rup Narain Maindiratta, 23, Poes Garden, Madras-600 086, India. November 6, 1984. "Portable Temple-2".

Class 1. No. 155023. Rup Narain Maindiratta, 23, Poes Garden, Madras-600 086, India. "Portable structure for use as a mosque, church or the like". November 6, 1984.

Class 1. No. 155024. Rup Narain Maindiratta, 23, Poes Garden, Madras-600 086, India. "Portable gurdwara". November 6, 1984.

Class 1. No. 155025. Rup Narain Maindiratta, 23, Poes Garden, Madras-600 086, India. "Portable mosque". November 6, 1984.

Class 1. No. 155026. Rup Narain Maindiratta, 23, Poes Garden, Madras-600 086, India. "Portable temple". November 6, 1984.

Class 1. No. 155027. Rup Narain Maindiratta, 23, Poes Garden, Madras-600 086, India. "Portable church-1". November 6, 1984.

Class 1. No. 155028. Rup Narain Maindiratta, 23, Poes Garden, Madras-600 086, India. "Portable church-2". November 6, 1984.

Class 3. No. 155566. Monroe Chemicals, P.O. Charampa, Dist. Balasore, Orissa Pin-756101, India. Proprietary Firm. "Container". 9th April, 1985.

Class 3. No. 154806. Cona Industries, A-46, Nand Kishore Industrial Estate, 2nd floor, near Paper Box, Andheri East, Bombay-400 093, Maharashtra, Manufacturer and Merchants. Proprietary Firm. "Electric Flush Type Double Pole Switch". 10th September, 1984.

Class 3. No. 154804. Cona Industries, A-46, Nand Kishore Industrial Estate, 2nd floor, near Paper Box, Andheri East, Bombay-400 093, Maharashtra, Manufacturer and Merchants. Proprietary Firm. "Electric Universal Socket". September 10, 1984.

Class 3. No. 154929. Ashish Enterprises, Irani Building, Ground Floor, 303, Cawasji Hormasji Street, (near Marine Lines Church), Bombay 400 002, Maharashtra, India. "Multipurpose Ball Pen Stand". October 8, 1984.

Class 3. No. 155056. Cello Plastic Industrial Works, Vakil Industrial Estate, Walhat Road, Goregaon East, Bombay 400 063, Maharashtra, Indian Partnership Firm. "Three-in-one Tray Set". November 15, 1984.

Class 3. No. 155055. Cello Plastic Industrial Works, Vakil Industrial Estate, Walhat Road, Goregaon East, Bombay 400 063, Maharashtra, Indian Partnership Firm. "Multipurpose Container". November 15, 1984.

Class 3. No. Eagle Flask Private Limited, Indian Company, Eagle Estate, Talegaon 410507, Maharashtra, India. "Vadeum Flask". December 20, 1984.

Class 3. No. 155203. Eagle Flask Private Limited, Indian Company, Eagle Estate, Talegaon 410507, Maharashtra, India. "Cup". December 20, 1984.

Class 3. No. 155230. Chhotalal Vishram Somaiya, C. D. International, Kamani Chambers, Gr. Flcor, 32 Raniibhai Kamani Marg, Ballard Estate, Bombay 400 038, Maharashtra, India. "Cockroach Trap". December 31, 1984.

Class 8. No. 155257. Cosmique Trading Co., Partnership Firm, 191, Main Faiz Road, New Delhi. "Woollen Durries". January 8, 1985.

Class 8. No. 155270. Cosmique Trading Co., Partnership Firm, 191, Main Faiz Road, New Delhi. "Woollen Durries". January 8, 1985.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks.